

## A Question of Scale

$10^{-2}$	1 cm	• basketball
$10^{-1}$	10 cm	• classroom
$10^0$	1 meter	• deepest depth of Pacific Ocean
$10^1$	10 meters	• Denver to Kansas City
$10^2$	100 meters	• depth of the Grand Canyon
$10^3$	1 km	• distance of Sun from Earth
$10^4$	10 km	• Earth to Moon distance
$10^5$	100 km	• Earth's diameter
$10^6$	1000 km	• height of a doorway
$10^7$	10,000 km	• height of Mt. Everest
$10^8$	100,000 km	• Jupiter's diameter
$10^9$	1 million km	• length of California
$10^{10}$	10 million km	• Milky Way galaxy
$10^{11}$	100 million km	• Moon's diameter
$10^{12}$	1 billion km	• Nashville to New York City
		• nearest star (other than Sun)
		• ping pong ball
		• San Francisco to New York
		• softball
		• Sun to Saturn
		• Sun's diameter
		• the school
		• width of a door
		• width of a light switch lever

# ORDERS OF MAGNITUDE

